Figure 1 is a map of vector RPR9-IL 4-Y124 4327.-

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and then on the very next line insert the following heading at the left-hand margin:

-DESCRIPTION OF THE PREFERRED EMBODIMENTS-.

[ADD SEQUENCE LISTING CHANGES]

IN THE CLAIMS:

Cancel claims 1 and 2 and substitute:

- A mutant human interleukin-4 (hIL-4) protein consisting of the amino acid sequence of wild-type hIL-4 with two modifications, wherein the first modification is that one or more of the amino acids occurring in the wild-type hIL-4 protein at positions 121, 124 or 125 is replaced by another natural amino acid, and the second modification is that:
 - the N-terminus therein is modified;
 - ∠b) the C-terminus therein is modified;
 - c) potential glycosylation sites are deleted; and/or
 - 'd) the protein is coupled to a non-protein polymer;

said mutant hIL-4 protein being an antagonist or partial agonist of wild-type hIL-4.-

- of the amino acid sequence of wild-type hIL-4 with two modifications, wherein the first modification is that one or more of the amino acids occurring in the wild-type hIL-4 protein at positions 121, 124 or 125 is replaced by another natural amino acid, and the second modification is that:
 - a) the N-terminus therein is modified by the deletion or insertion of one or more amino acids;
 - b) the C-terminus therein is modified by the deletion or insertion of one or more amino acids;
 - c) potential glycosylation sites are deleted; and/or
 - d) the protein is coupled to a non-protein polymer selected from the group consisting of polyethylene glycol, polypropylene glycol and polyoxyalkylenes;

said mutant hIL-4 protein being an antagonist or partial agonist of wild-type hIL-4.--

of the amino acid sequence of wild-type hIL-4 with two modifications, wherein the first modification is that one or more of the amino acids occurring in the wild-type hIL-4 protein at positions 121, 124 or 125 is replaced by another natural amino acid, and the second modification comprises the N-terminus therein is modified by the insertion before the natural N-terminal histidine residue of an amino acid selected from the group consisting of alanine, glycine, proline, serine, threonine and valine, said mutant hIL-4 protein being an antagonist or partial

agonist of wild-type hlL-4.--

-6. A mutant hIL-4 protein according to claim 5, wherein said second modification further comprises:

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- a) deletion of the potential glycosylation sites at positions
 38 and/or 105 by replacement of asparagine in these positions by aspartic acid; and/or
- b) coupling of the protein to polyethylene glycol.-
- -7. A therapeutic agent comprising:
 - a) a mutant human interleukin-4 (hIL-4) protein according to claim 3; and
 - b) a physiologically acceptable carrier.--
- -8. A therapeutic agent comprising:
 - a) a mutant human interleukin-4 (hIL-4) protein according to claim 4; and
 - b) a physiologically acceptable carrier.-
- —9. A therapeutic agent comprising:
 - a) a mutant human interleukin-4 (hIL-4) protein according to claim 5; and

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- b) a physiologically acceptable carrier.—
- -10. A therapeutic agent comprising:
 - a) a mutant human interleukin-4 (hIL-4) protein according to claim 6; and
 - b) a physiologically acceptable carrier.--
- -11. A method of antagonizing or partially agonizing the effect of human interleukin-4 (hIL-4) comprising contacting cells expressing the hIL-4-receptor with an antagonistic or partially agonistic effective amount of a mutant hIL-4 protein according to claim(3.—
- A method of antagonizing or partially agonizing the effect of human interleukin-4 (hIL-4) comprising contacting cells expressing the hIL-4-receptor with an antagonistic or partially agonistic effective amount of a mutant hIL-4 protein according to claim 4.—
- -13. A method of antagonizing or partially agonizing the effect of human interleukin-4 (hIL-4) comprising contacting cells expressing the hIL-4-receptor with an antagonistic or partially agonistic effective amount of a mutant hIL-4 protein according to claim 5.—
- -14. A method of antagonizing or partially agonizing the effect of human interleukin-4 (hIL-4) comprising contacting cells expressing the hIL-4-receptor with an antagonistic or partially agonistic effective amount of a mutant

hIL-4 protein according to claim 6.--